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THE AMERICAN UNIVERSITY
Department of Biology

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CR-130326
NT's HC \$3.00

ERTS Image Analysis: Preliminary Report #1
January 1973

ID # 1062-15190
Date of Acquisition, 22 Sept. 1972

A simple feature discriminator for sedimentation levels in rivers and
shoal estuarine waters has been applied by Dr. J. S. Schubert to the 23
September 1972 Washington Image (ID # 1062-15190). Figure 1 shows the
results at the confluence of the Potomac and Anacostia Rivers. Hain's Point
and the Washington Channel are also visible.

Procedure: Data values for CCT MMS7 are geographically located by
GEOG_LOC, and then scanned for low values. Geographic coordinates in Channels
4, 5, and 6 are then multiplied thus: $4 \times 5 \times 6 = \underline{\quad}$. Previously selected
product ranges are matched with each pixel product. The matching range is
associated with a type symbol and printed, using ERTS_MAP. Procedure
references are to ERTS_TAPE, a PL/1 program reported January 1973. The
procedure is straight-forward, does not require large core and appears to
result in better sedimentation discrimination than photoanalysis.

(E73-10048) ERTS IMAGE ANALYSIS
Preliminary Report (American Univ.) 2 P
HC \$3.00 CSCL 05B
N73-16310
G3/13 Unclass
00048

519000' '23SEP72' '

SUN EL44 AZ143 '

33 'DEG'

56 'MIN IS IN ROW' 1029

76 'DEG'

59 'MIN IS IN COLUMN NUMBER'

350

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Potomac River

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Washington Channel

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Anacostia River

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Sediment Levels in Potomac and Anacostia River Confluence
Dr. J. S. Schubert, The American Univ.
UN441, Jan. 24, 1973